BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

***NAME OF WORK* : Construction of Culverts in Maruthinagar layout cross roads in kempegowda ward no-01**

							Estimate Cost Rs.	20.00	Lakhs
Sl No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1 5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 SR 2018-19								
		Cum							
	Culvert at Maruthinagara layout cross roads		17	6.00	1.65	1.20	201.96		
							201.96	316.94	64009.00
	Basic Rate Rs	299.00							
	Add Area Weightage @ 6%	17.94							
	Total	316.94							
2	KSRB4.1.3. Providing and laying position plain cement concrete of Mix 1:4:8 with OPC cement @180Kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed , concrete laid in layers not exeecding 15 cms, thick, well compacted , in foundation , including cost of all materials, Labour , HOM of Machinery, Curing complete as per Specifications. Specifications No. KBS 4.1, 4.2 (P12/4.3) SR 2018-19								
	Culvert at Maruthinagara layout cross roads		17	6.00	1.65	0.15	25.25		
							25.25	5408.12	136528.00
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	5408.12							
3	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 271 Ite mo 37.59.2 SR 2018-19 (wall and bottom thickness 15cm								
		Cum							
	Bottom raft								
	Culvert		17	6.00	1.50	0.15	22.95		
	Side wall								
	Culvert		34	6.00	0.25	0.80	40.80		
						Total	63.75	7070.20	450725.00
	Basic Rate	6670.00							
	Add Area Weightage @ 6%	400.20							
	Total	7070.20							
4	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. TMT bars Fe 500 KBS 4.6.3 Page No. 18/ Item No. 4.46/ PWD SR 2018-19								
		Tonne							
	for culvert 60kg/cum		1	63.75	60.00		3825.00		
	Total						3825.00		

Sl No	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							3.83	75223.96	287732.00
	Basic Rate	70966.00							
	Add Area Weightage @ 6%	4257.96							
	Total	75223.96							
	Data rate	2337.00							
5	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-								
		Sqm							
			17	6.00	1.20		122.40		
							122.40	5418.00	663163.00
	Data rate	5418.00							
6	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1) SR 2018-19								
		Cum							
							Qty Vide Item No 1	87.56	17683.00
	Basic Rate for loading and unloading	57.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	82.60							
	Area Weightage 6%	4.96							
	Grand Total	87.56							
7	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.1/ PWD SR 2018-19								
	for culvert approach both side (6.0+8.0)/2 x (0.90+1.2)/2	2x17	34	7.00 Avg	1.00 Avg	0.120 avg	28.56		
							28.56	5599.98	159935.00
	Basic Rate	5283.00							
	Area Weightage @ 6%	316.98							
	Total	5599.98							
7	GST of 12% as per Govt Letter No PWD 65 RDF 2017 Dated 11-10-2018								
8	Miscellaneous and unforeseen charges	Ls							

Administrative Approval

Accorded For RSRo solarchemly

Head of A/C P.1221

CER NO : 195 D. 25.02.19

EE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lacs

Rupees Twenty lakhs only

Under P.(471)-2018-19

Registered as CE ( ) No 99

Subject to conditions contained in enclosed memo EE ( ) No /9/

Sub total 1779775.00

Estimate A/ Sanctioned 213573.00

EE/TS/32/18-19 No

Dated Rs. 20.00 lacs

6652.00

Total Ammount Rs. Executive Engineer 2000000.00

(Rupees Twenty lakhs only)

ERTIFICATE

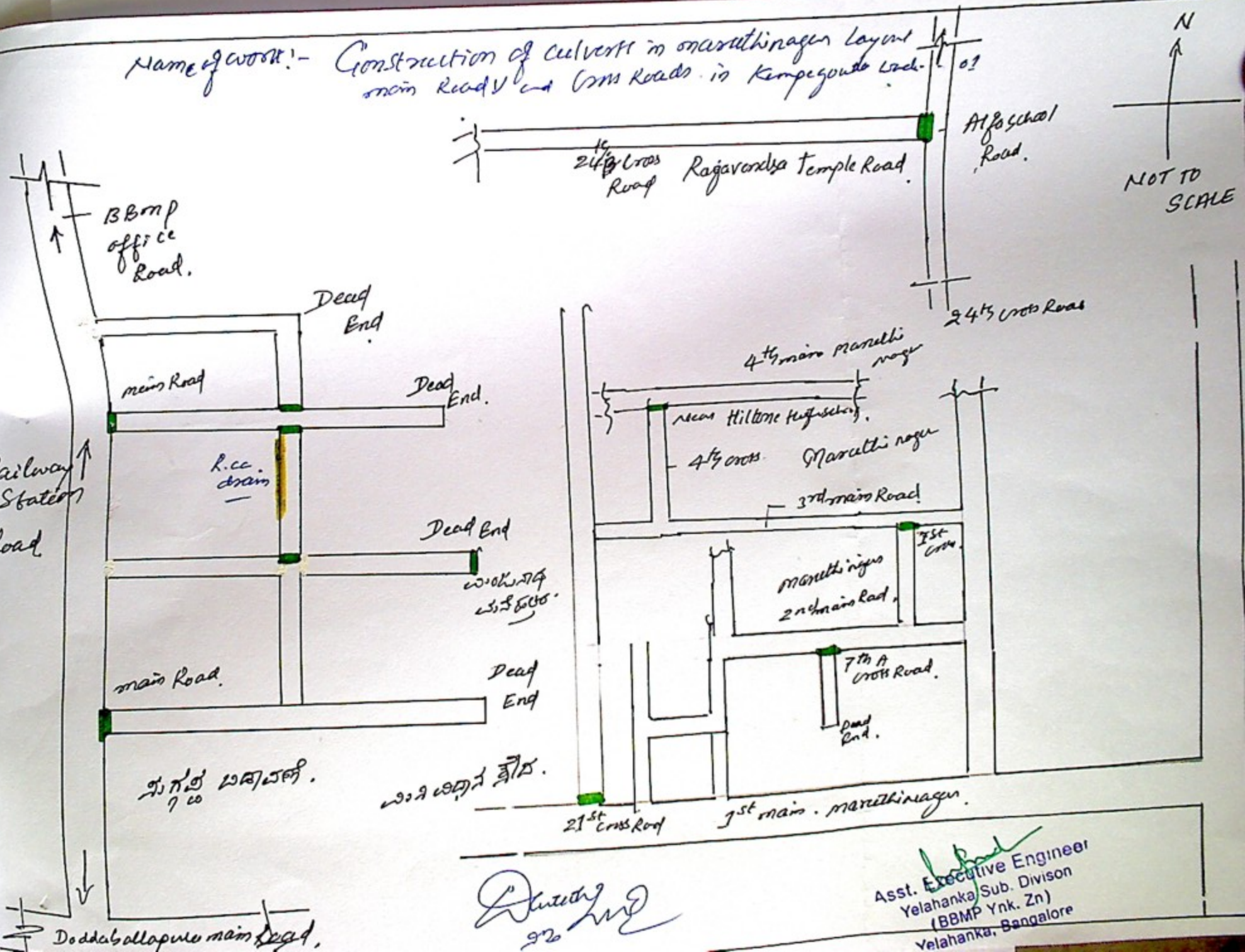
1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2018-19
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.1

Executive Engineer
Yelahanka-Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Name of work:- Construction of culvert in maruthinagar Layout main Road V and Cross Roads in Kempegowda Ward.



Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore